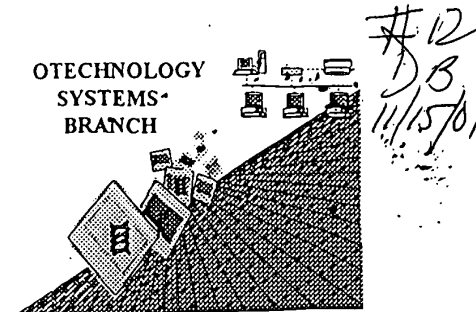


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/727739A
Source: OIPE
Date Processed by STIC: 09/14/2001

RECEIVED

NOV 13 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/727 739A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFT

- 1 Wrapped Nucleics
 Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES)
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES)
Sequence(s) 35 missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
 (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING

DATE: 09/14/2001

PATENT APPLICATION: US/09/727,739A

TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt

Output Set: N:\CRF3\09142001\I727739A.raw

3 <110> APPLICANT: Sheridan, Mark
 4 Kittilson, Jeffrey
 5 Moore, Craig
 7 <120> TITLE OF INVENTION: Somatostatins and Methods
 9 <130> FILE REFERENCE: 255.00040101
 11 <140> CURRENT APPLICATION NUMBER: US 09/727,739A
 C--> 12 <141> CURRENT FILING DATE: 2001-08-28
 14 <150> PRIOR APPLICATION NUMBER: US 60/168,934
 15 <151> PRIOR FILING DATE: 1999-12-03
 17 <160> NUMBER OF SEQ ID NOS: 52
 19 <170> SOFTWARE: PatentIn version 3.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 14
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
 28 Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
 29 1 5 10
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 14
 33 <212> TYPE: PRT
 34 <213> ORGANISM: ~~Oncorhynchus mykiss~~

Does Not Comply
 Corrected Diskette Needed

See page 6 of 7A

36 <400> SEQUENCE: 2
 38 Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
 39 1 5 10
 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 114
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Oncorhynchus mykiss
 46 <400> SEQUENCE: 3
 48 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala
 49 1 5 10 15
 51 Leu Ala Ile Ser Ser Val Ser Ala Ala Pro Ser Asp Ala Lys Leu Arg
 52 20 25 30
 54 Gln Leu Leu Gln Arg Ser Leu Met Ala Pro Ala Gly Lys Gln Glu Leu
 55 35 40 45
 57 Ala Arg Asn Thr Leu Val Glu Leu Leu Ser Glu Leu Ala His Val Glu
 58 50 55 60
 60 Asn Glu Ala Ile Glu Leu Asp Asp Met Ser His Gly Val Glu Gln Glu
 61 65 70 75 80
 63 Asp Val Asp Leu Glu Leu Glu Arg Ala Pro Gly Pro Val Leu Ala Pro
 64 85 90 95
 66 Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr
 67 100 105 110
 69 Ser Cys
 72 <210> SEQ ID NO: 4
 73 <211> LENGTH: 26

RAW SEQUENCE LISTING

DATE: 09/14/2001

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TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt

Output Set: N:\CRF3\09142001\I727739A.raw

74 <212> TYPE: PRT

75 <213> ORGANISM: Oncorhynchus mykiss

77 <400> SEQUENCE: 4

79 Ala Pro Gly Pro Val Leu Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys

80 1 5 10 15

82 Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys

83 20 25

85 <210> SEQ ID NO: 5

86 <211> LENGTH: 88

87 <212> TYPE: PRT

88 <213> ORGANISM: Oncorhynchus mykiss

90 <400> SEQUENCE: 5

92 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala

93 1 5 10 15

95 Leu Ala Ile Ser Ser Val Ser Ala Ala Pro Ser Asp Ala Lys Leu Arg

96 20 25 30

98 Gln Leu Leu Gln Arg Ser Leu Met Ala Pro Ala Gly Lys Gln Glu Leu

99 35 40 45

101 Ala Arg Asn Thr Leu Val Glu Leu Leu Ser Glu Leu Ala His Val Glu

102 50 55 60

104 Asn Glu Ala Ile Glu Leu Asp Asp Met Ser His Gly Val Glu Gln Glu

105 65 70 75 80

107 Asp Val Asp Leu Glu Leu Glu Arg

108 85

110 <210> SEQ ID NO: 6

111 <211> LENGTH: 12

~~112 <212> TYPE: PRT~~

113 <213> ORGANISM: Oncorhynchus mykiss

115 <400> SEQUENCE: 6

117 Ala Pro Gly Pro Val Leu Ala Pro Arg Glu Arg Lys

118 1 5 10

120 <210> SEQ ID NO: 7

121 <211> LENGTH: 24

122 <212> TYPE: PRT

123 <213> ORGANISM: Oncorhynchus mykiss

125 <400> SEQUENCE: 7

127 Met Leu Ser Thr Arg Val Gln Cys Ala Leu Ala Leu Leu Ser Leu Ala

128 1 5 10 15

130 Leu Ala Ile Ser Ser Val Ser Ala

131 20

133 <210> SEQ ID NO: 8

134 <211> LENGTH: 763

135 <212> TYPE: DNA

136 <213> ORGANISM: Oncorhynchus mykiss

138 <400> SEQUENCE: 8

139 gggggggggg gaacaggagc agcagaactc aaagagaagc caatctcaac gattgtctgc 60

141 ccaattgaac cacctttatc catctctctc ctccccgag acccagaaga agatgctctc 120

143 gacgcgtgtc cagtgcgccc tagcactact ctccctagcc ctggccatca gcagcgtctc 180

145 tgccgctccg tccgatgcc aactccgcc gctgctccaa cggtcactca tggcacctgc 240

RAW SEQUENCE LISTING

DATE: 09/14/2001

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TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt

Output Set: N:\CRF3\09142001\I727739A.raw

```

147 aggcaaacag gagcttgcca ggaatacact cgtagagcta ctctcagagc tcgcacatgt      300
149 agagaacgag gcgattgaat tggatgacat gtctcatggc gtggagcagg aggatgtgga      360
151 tctcgagctg gacggtgcac ccggcccagt actggctcca cgtgaacgca aggctggatg      420
153 caagaacttc ttctggaaga cttttacatc gtgttaatga atctactcct ttactgtgtg      480
155 tactacatct catctctttt gtttcaatca ctcattgctg aatccaatgc accatggcct      540
157 aaccctcttc ttcaaaaaat ttaaataaac actgttataa ctttaacaat cattctgatg      600
159 tttctatcgc tcacttagat tttttccga aaaggaacac aagaaagaat gttctacaaa      660
161 tgtatgcggt tctgctttga ctgtgattta tgtattttgg cagactatct ttaattgttt      720
163 gtttgaataa aatctgtgtt tcagaaccaa aaaaaaaaaa aaa                        763

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166 <210> SEQ ID NO: 9

167 <211> LENGTH: 115

168 <212> TYPE: PRT

169 <213> ORGANISM: Oncorhynchus mykiss

171 <400> SEQUENCE: 9

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173 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
174 1          5          10          15
176 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
177          20          25          30
179 Arg Ser Arg Arg Leu Leu Gln Arg Ala Arg Ala Ala Ala Leu Pro His
180          35          40          45
182 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
183          50          55          60
185 Cys Leu Arg Pro Arg Lys Val Lys Cys Pro Ala Gly Ala Lys Glu Asp
186 65          70          75          80
188 Leu Arg Val Glu Leu Glu Arg Ser Val Gly Asn Pro Asn Asn Leu Pro
189          85          90          95

```

```

191 Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe

```

```

192          100          105          110

```

194 Thr Ser Cys

195 115

197 <210> SEQ ID NO: 10

198 <211> LENGTH: 28

199 <212> TYPE: PRT

200 <213> ORGANISM: Oncorhynchus mykiss

202 <400> SEQUENCE: 10

```

204 Ser Val Gly Asn Pro Asn Asn Leu Pro Pro Arg Glu Arg Lys Ala Gly
205 1          5          10          15

```

```

207 Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys

```

```

208          20          25

```

210 <210> SEQ ID NO: 11

211 <211> LENGTH: 87

212 <212> TYPE: PRT

213 <213> ORGANISM: Oncorhynchus mykiss

215 <400> SEQUENCE: 11

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217 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
218 1          5          10          15

```

```

220 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu

```

```

221          20          25          30

```

```

223 Arg Ser Arg Arg Leu Leu Gln Arg Ala Arg Ala Ala Ala Leu Pro His

```

RAW SEQUENCE LISTING

DATE: 09/14/2001

PATENT APPLICATION: US/09/727,739A

TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt

Output Set: N:\CRF3\09142001\I727739A.raw

```

224          35          40          45
226 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
227          50          55          60
229 Cys Leu Arg Pro Arg Lys Val Lys Cys Pro Ala Gly Ala Lys Glu Asp
230 65          70          75          80
232 Leu Arg Val Glu Leu Glu Arg

```

233 85

235 <210> SEQ ID NO: 12

236 <211> LENGTH: 14

237 <212> TYPE: PRT

238 <213> ORGANISM: Oncorhynchus mykiss

240 <400> SEQUENCE: 12

242 Ser Val Gly Asn Pro Asn Asn Leu Pro Pro Arg Glu Arg Lys

243 1 5 10

245 <210> SEQ ID NO: 13

246 <211> LENGTH: 25

247 <212> TYPE: PRT

248 <213> ORGANISM: Oncorhynchus mykiss

250 <400> SEQUENCE: 13

252 Met Lys Val Cys Arg Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala

253 1 5 10 15

255 Leu Ala Ile Cys Ser Gln Gly Ala Ala

256 20 25

258 <210> SEQ ID NO: 14

259 <211> LENGTH: 623

260 <212> TYPE: DNA

~~261 <213> ORGANISM: Oncorhynchus mykiss~~

263 <400> SEQUENCE: 14

264 accaggcctg ctccataccg actgatccag atcgagcata gcccggtcca gctcagctcg 60

266 tctcaccgcg tgccatccct gcaaacaaaa cccagctctg ttggagatga aggtctgccc 120

268 aatccactgt gccctggccc tgctgggttt ggccctggcc atttgcagcc aaggagccgc 180

270 ctgcagccc gacctggacc tccgcagccg cagactcctt cagagggctc gtgccgctgc 240

272 attgccacac aggagtggag taagcgagcg gtggaggaca ttctatccca actgtccttg 300

274 cctgaggccc aggaaagtga agtgtcaagc gggggctaaa gaggacctgc gtgtggagct 360

276 ggagcgetca gtgggcaacc ccaacaacct tcccccccggt gagcgcaaag cgggctgcaa 420

278 gaacttctac tggaagggct tcaattcctg ctgaggggaag aataaaccga ccaccttatg 480

280 acatgacgct gccaatcacg tcacaacgcc aacttacacc tgacgaatgc agccaatcaa 540

282 cagttagctg tgccgatga tggttcttga aatcaacaga atgatgtacc tgtctaattt 600

284 gtgaaataaa tataaaataa ttg 623

287 <210> SEQ ID NO: 15

288 <211> LENGTH: 111

289 <212> TYPE: PRT

290 <213> ORGANISM: Oncorhynchus mykiss

292 <400> SEQUENCE: 15

294 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala

295 1 5 10 15

297 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu

298 20 25 30

300 Ala Ser Arg Arg Leu Leu Gln Arg Ala Leu Ala Ala Ala Leu Pro His

RAW SEQUENCE LISTING

DATE: 09/14/2001

PATENT APPLICATION: US/09/727,739A

TIME: 13:14:36

Input Set : A:\255.00040101.ST25.txt

Output Set: N:\CRF3\09142001\I727739A.raw

```

301          35          40          45
303 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
304          50          55          60
306 Cys Leu Arg Trp Arg Pro Arg Lys Val Lys Gly Pro Gln Leu Lys Ala
307 65          70          75          80
309 Lys Glu Asp Leu Glu Arg Ser Val Asp Asn Leu Pro Pro Arg Glu Arg
310          85          90          95
312 Lys Ala Gly Cys Lys Asn Phe Tyr Trp Lys Gly Phe Thr Ser Cys
313          100          105          110
315 <210> SEQ ID NO: 16
316 <211> LENGTH: 25
317 <212> TYPE: PRT
318 <213> ORGANISM: Oncorhynchus mykiss
320 <400> SEQUENCE: 16
322 Ser Val Asp Asn Leu Pro Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn
323 1          5          10          15
325 Phe Tyr Trp Lys Gly Phe Thr Ser Cys
326          20          25
328 <210> SEQ ID NO: 17
329 <211> LENGTH: 86
330 <212> TYPE: PRT
331 <213> ORGANISM: Oncorhynchus mykiss
333 <400> SEQUENCE: 17
335 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
336 1          5          10          15
338 Leu Ala Ile Cys Ser Gln Gly Ala Ala Ser Gln Pro Asp Leu Asp Leu
339          20          25          30
341 Ala Ser Arg Arg Leu Leu Gln Arg Ala Leu Ala Ala Leu Pro His
342          35          40          45
344 Arg Ser Gly Val Ser Glu Arg Trp Arg Thr Phe Tyr Pro Asn Cys Pro
345          50          55          60
347 Cys Leu Arg Trp Arg Pro Arg Lys Val Lys Gly Pro Gln Leu Lys Ala
348 65          70          75          80
350 Lys Glu Asp Leu Glu Arg
351          85
353 <210> SEQ ID NO: 18
354 <211> LENGTH: 11
355 <212> TYPE: PRT
356 <213> ORGANISM: Oncorhynchus mykiss
358 <400> SEQUENCE: 18
360 Ser Val Asp Asn Leu Pro Pro Arg Glu Arg Lys
361 1          5          10
363 <210> SEQ ID NO: 19
364 <211> LENGTH: 25
365 <212> TYPE: PRT
366 <213> ORGANISM: Oncorhynchus mykiss
368 <400> SEQUENCE: 19
370 Met Arg Val Ser Gln Ile His Cys Ala Leu Ala Leu Leu Gly Leu Ala
371 1          5          10          15

```

09/727 739A
Page 6 of 7A

<210> 35

<211> 0

<212> DNA

<213> Skipped sequence

<400> 35
000

fields 210, 400, and the triple zero "000"
designation are the only fields required
when designating a skipped sequence.

VERIFICATION SUMMARY

DATE: 09/14/2001

PATENT APPLICATION: US/09/727,739A

TIME: 13:14:37

Input Set : A:\255.00040101.ST25.txt

Output Set: N:\CRF3\09142001\I727739A.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:419 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:431 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:443 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:485 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:572 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:584 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:599 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (35) SEQUENCE:
L:1029 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
L:1041 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
L:1053 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52
